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The Coordinator

Western Washington Amateur Relay Association

April 1991 Issue

New Technician Class License

It finally happened, after many years of activity, on February 14th we have our first no code license. To the surprise of many who thought that this would mean a new and unique license class, the FCC opted for simply removing the CW requirement from the existing Technician class exam. Briefly it works like this:

A person wishing to obtain a Tech license (and having no present license, Novice etc.) will have to pass the Novice and Technician written test.

New Techs will have all the previous Tech privileges above 30 MHz, but NOT those below 30 MHz.

For new Techs to have Novice HF frequencies (10 meters SSB etc.) they must pass the 5 WPM CODE test.

The Novice license will continue unchanged, to up grade to Tech will require passing the Tech written test, those upgrading in this manner will have the present Novice HF privileges as well.

FCC LOOKS INTO MANDATORY HAM RADIO, SCANNER MODS!

The W5YI Report March 1, 1991

The FCC's investigation of state and local "scanner laws" has taken an unusual - even disturbing turn. The agency is studying whether to preempt such laws, which in some states forbid hams from having amateur radios that can pick up public safety bands in a vehicle.

This is a continuation of a proceeding in which ARRL asked the FCC to make such a pre-emption, for licensed hams only. The Personal Radio Steering Group asked for a similar pre-emption for General Mobile Radio Service (GMRS) licensees, and the Association of North American Radio Clubs (representing the unlicensed short-wave listener) asked for a general pre-emption for licensees and non-licensees alike.

The ARRL asked more than a year ago for the same type of federal action as PRB-1 to exempt hams from burdensome state laws that forbid citizens from having radios in cars that can pick up police, fire or other government transmissions.

PRB-1 pre-emption has prevented many cities from ordering hams off the air or towers to be reduced or removed. It basically says that local and state regulation must not preclude and must reasonably accommodate amateur service communications ". . . and must constitute the minimum practicable regulation to accomplish the state or local authority's legitimate purpose."

New Jersey requires police-issued short wave radio permits . . . while Kentucky law authorizes officials to immediately seize and destroy radio equipment capable of receiving police signals. A Michigan statute exempts some licensed amateurs -- but strangely not the Novice or Tech-

ABOUT 2 METER COORDINATION

Remember when you could pick your own frequency on 2 meters for a repeater? Remember when 600 KC was finally recognized as the official repeater separation? Remember when channel spacing was 120 KC and then 60 KC and then 30 KC and then 20 KHZ? Remember when the Baw Faw repeater moved to the 147 MHz portion of the band to be lost way up there, never to be found again?

We've come a long way from those days of trying to organize the coordination of repeaters, the early attempts to form a repeater organization, the long and drawn out meetings in the early days of the Association and the negotiations hammered out between our neighbors on how to equitably share the finite repeater spectrum.

With good intentions, the early members of our Association worked hard to establish our constitution, bylaws, and coordination policies. They were careful to try and anticipate future needs of the repeater community. Clear channels on 2 meters were established and recognized by the Association and the other coordinating committees in Oregon, British Columbia, and Eastern Washington. These were to promote and protect regional, wide area coverage repeaters. When we were granted an additional repeater sub band below 146 MHz, the association was instrumental in establishing several channels for experimental repeaters that required no coordination and became known as our SNP channels.

Some of the early coordination policies were later changed to reflect the changing attitudes of repeater operation. Some clear channels first earmarked for wide area operation gave way to co-channel sharing. It seemed some felt that more repeaters were better than fewer repeaters that operated correctly and talked farther. This required more careful coordination and necessitated the requirement of CTCSS for those wishing to share a channel with another repeater.

If you think this is all leading to something, you're correct. The Association concluded several years ago that there are no more repeater pairs on 2 meters available for coordination. It voted not to accept any applications for NEW 2 meter repeaters unless these applications are accompanied by letters from all existing co-channel operations, agreeing to accept any interference from this proposed new repeater operation. All parties must also agree to install CTCSS, if required, to minimize the interference potential.

Upon receipt of such an application, the Association will process the request in it's normal fashion and involve the adjacent area coordinators, where required. The Association will not lobby co-channel operations on behalf of the new applicant. It's roll will only be to process the application and direct information pertaining to this process to the parties involved, including the adjacent area coordinators.

Jon Marcinko
Chairman

6 METERS, THE ARRL DECIDES NOT TO DECIDE

(K7CR)

After it became clear that the ARRL was not working toward the development of a true national band plan for 6 meters I worked with our Division Director, Mary Lewis, W7QGP, in the writing of a motion to be presented to the Leagues Board that would do just that. Mary presented same at the last Board Meeting and it died for lack of a second (see QST). As a result of this in action the WWARA Board has formed a committee whose goal is to work in the same direction as Mary's motion. If you would like help in this effort, contact the WWARA Secretary, or any member of the Committee, K7YR, WR7V, KB7BJE, W7FHZ, K7CR, KA7PMC or KB7ZS.

Scanner Mods continued .....

nician class! The objective of these state laws is to

make it difficult for criminals to be come aware of their detection by police.

The ARRL pointed out that most two meter transceivers receive between 139 - 174 MHz which includes many public safety frequencies. The League believes that regulation and use of radio apparatus is solely a federal function -- not to be left to the states -- and that neither the Communication Act or the Electronic Communications Privacy Act (ECPA) prohibit reception by the public of unscrambled police, fire or other governmental radio systems.

The FCC has already received comments that describe harassment by law enforcement officers of amateurs who have such equipment. On February 13, the FCC adopted a new Notice of Inquiry (NOI) to seek further information prior to adopting a Notice of Proposed Rule making. The FCC also could conclude form the public comments that no action is needed and consider the proceeding no further.

Three of the five Commissioners have already said they don't want to pre-empt the laws, however, instead they want to know how existing ham transceivers and scanners could be modified to remove any capability to receive public-safety radio frequencies. Under this proposal new scanners and ham gear would have to be designed to skip public-safety bands.

Unprecedented concept!

The idea that owners of existing equipment would be required by the FCC to delete frequencies - and that receivers could no longer be manufactured with the ability to pick up police, fire and medical communication -- is unprecedented.

The FCC news release said, "[I]t would be helpful to have additional information on the technical and financial feasibility of modifying ex-

isting transceivers to remove the capability to receive police or other public safety channels, and on the current and future marketplace availability of mobile equipment meeting the restrictions of the subject laws."

Limited to hams or not?

The release claimed that the laws and issues addressed in the NOI would concern only the reception capability of amateur transceivers, transmission by an amateur operator on unauthorized frequencies being clearly prohibited.

Apparently, however, the NOI will examine scanner availability and also will ask if an exemption is warranted for GMRS equipment. The 460 MHz General Mobile Radio Service is one of the Part 95 Personal Radio Services, and some public-safety agencies are licensed in GMRS. Many hams, families and volunteer groups use GMRS. This provides a conundrum for the FCC as it considers a ban on personal ownership of equipment that can receive public-safety communications.

Possibly to bypass such issues, the ARRL had suggested that the pre-emption be limited only to licensed hams and should presumably not concern the ability of other licensees or the general public to own public-safety receivers.

WE ARE 500,000 STRONG!!!

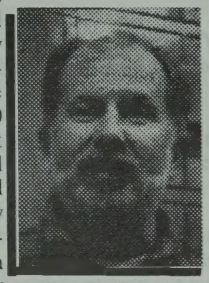
(Westlink)

A major landmark was established on December 31st...according to FCC statistics there are now some 500,243 of us in the United States, yes this is an all time high. Broken down into license classes it looks this way:

Extra	53,836	10.8%
Advanced	105,309	21.1%
General	119,796	23.9%
Tech	127,427	25.5%
Novice	93,875	18.8%

THE FCC 220 BATTLE IS LOST, THE BAND PLAN BATTLE BEGINS

(K7CR)



Its done, the FCC's decision has been upheld by the Courts, 220-222 is no longer part of Amateur Radio. New rules governing Land Mobile use of this spectrum is expected out shortly, its then that we will learn just who our new neighbors will be. There are those that are now predicting that we will again be having our feet placed to the fire by those that would like to have the rest of our 220 band. Another fly in the ointment is the U.S. Army, it seems that they have been granted a new experimental license (KA2XAV) to conduct tests for an experimental radio location service, over the entire band. The Army plans to conduct basic research in buried mine detection. Tests will be conducted at two locations in Arizona using very high powered transmitters. This authority expires on May 1, of 1992. Its possible that the war in the Gulf had something to do with this one. On Jan. 10 the FCC proposed establishing an interactive video data service (IVDS) on 218.0 to 218.5 additionally amending the rules to permit Automated Maritime Telecommunication systems (AMTS) operations on a national basis in the 216 to 220 band. This is of interest to Amateur Radio for, if you recall, the FCC left the door open to possible use of spectrum below 220 for us...looks like if we were permitted use in that spectrum it would be crowded down there, reminds one of the 902-928 band where the FCC has "dropped in" a few others to make life interesting. One bright spot in all this is a bill introduced in congress by Jim Cooper, Rep., Tennessee, if enacted his bill would go a long way toward protecting us from additional "taking" of spectrum.

The ARRL, in reacting to the final determination, has asked the VUAC and the VRAC to study the 220 band plan and come up with recommendations about possible changes in this plan....the bottom line is we have 5 MHz of users and now only 3 Mhz of spectrum, the battle lines between repeater interests and the other users of the spectrum are being drawn.

Working as your VRAC representative in this area I have been requesting input to be forwarded to the ARRL's Committee. If you have any thoughts on this subject, give me a call, I'll be happy to pass on to you copies of many comments I have already received (too many to include in the COORDINATOR) to help you in making your comments....Give me a call at H-939-1414 or W-343-9700.

The WWARA Board reacted to this by declaring a moratorium on any new coordinations for the 220 band. This simply means that the WWARA will not be coordinating any new systems for this band, until the matter is resolved. It is hoped that this matter can be resolved before the end of this year.

A late note reported in The W5YI Report, that the Canadian Amateur Radio Federaton reports that their Department of Communications is planning to reallocate the 220-225 MHz amateur band to commercial use.

Could this mean an 'A' line for 222 - 225 Mhz U.S. users in the near future?

Guest Editorial - Steve Kometz KC7R0

(Ed. Note: At the last WWARA Board meeting the Board discussed the idea of either charging a fee for coordination or requiring membership in the Association. The following was submitted in response to that discussion)

At the meeting the other night you asked for "volunteers" to write something regarding the requirement to have applicants be paid members to request coordination. Well here is my opinion.

I personally support the idea of requiring applicants to be dues paying members. There is an awful lot of work that goes into each coordination. If each applicant requesting a coordination is a paid up member we can be sure that the persons generating the work are willing to share the expense. In the past many coordinations have been made to non-payers. This means that the postage, printing, phone call expenses, etc. were borne by persons that did not cause the expense. This is an inequitable situation.

While I'm on my soapbox, I feel I should voice my opinion regarding the subject of membership. In the past I have been one of the detractors of the WWARA. At times, even now, I must disagree with some of the decisions made. This is one of the drawbacks of democracy. You can't have everything for everyone. The best you can do is compromise. The "Board" of the WWARA is an excellent group of people. All HAMS in our area benefit from the work of the WWARA. The "Board" take an awful lot of heat they don't deserve, the least we can do is get involved, and stand behind the decisions made by the democratic process. For most of us that means just being paid up members. For others it should be involvement in the committees or on the Board. Attend some of the meetings. You might be surprised at the amount of work that goes on to keep the bands from becoming a nightmare.

If you become aware of the work involved I think you will agree that a twelve dollar membership is not too much to ask for a coordination effort. After all the ones requesting the work should bear the expense.

I've gotten myself in the position that I have to sell off some of my equipment each month to make sure that I can pay my bills, and even at that I came up with the twelve bucks. I've had a coordination since 1983, most of the time I've been paid up, I have decided its time for me to make it 100% of the time. What about the rest of you people? If we want the Association to continue to thrive we will have to support it.

KC7RO

(The WWARA COORDINATOR invites comments, if you have something that you'd like to say regarding the WWARA and/or coordination issues in our region, please feel free to submit your comments. The WWARA reserves the right to publish same in this publication)

Tidbits....

HEATH-KITS ARE HISTORY

Just about everyone that has been a ham for a few years has built a Heathkit or two. The longtime kit maker has called it quits with the kits, instead they will concentrate on home-study courses, home automation equipment and assembled units. How many of you are old enough to remember the first Heath Ham transmitter, the AT-1, ah...those were the good old days.

NEW AMATEUR RADIO VIDEO

"More Than Radios" is the title of a new Amateur Radio TV program written and produced by Chuck Zappala, KE7SA with funding coming from Icom. (Chuck works here in this area) If you'd like a copy of this for possible showing at a meeting of your club or group, contact Icom in Bellevue for the specifics.

KEEPING TRACK OF THE SNP'S

Some years ago the WWARA created a class of repeater pair called SNP, or Shared Non-Protected, on several of our bands. This policy created a place for repeaters to be constructed, played with, sites evaluated, portable repeaters etc...(See the WWARA Coordination policies for specific use guidelines). These pairs are (by output frequency): 145.13, 145.29, 224.72, 224.84, 444.000 and 443.000.

If you have a system on any one of these pairs, please drop a note to the secretary. .

ARE FEES IN OUR FUTURE???

It seems that the FCC is again looking toward a "Revised Fee Collection Program" as a means of generating an additional 65-70 Million dollars during fiscal year 1992. The last time the FCC considered fee's Amateurs were excluded, its unclear, at this time, just how the Commission's plans would effect our interests this time.

FCC FINE FINES

(Westlink)

Twelve dozen "Freebanders" ...unlicensed operators using the spectrum between the CB band and the low end of the 10 meter band, and "Lowbanders"...those who use spectrum from 25 MHz up to the low end of the CB band...could each wind up having a day in court for failing to pay his portion of fines totaling $147,000!. This is the result of a massive effort by the FCC to end illegal 10 1/2 meter operation...an illegal form of operation that has gone on nearly unchecked for the better part of two decades.

On December 13 and 14th, engineers from all 35 of the Commissions field offices descended on the homes of 144 of the Freeband and Lowband operators and other unlicensed shortwave broadcasters all across the U.S. Raids also took place in D.C. and Puerto Rico. Operators nabbed in this Freeband dragnet included members of well organized 10 1/2 meter groups such as World Wide Sideband, Satellite, Alpha Tango, Whisky Jack, Eagles International, Old Timers and several others. In most cases, the government investigators found that the illegal operators were using CB and amateur gear modified for out of band operation, along with outlawed high powered amplifiers.

Reaction among the illegals, while hard to judge, does seem tainted with rebellion. Some of these stations monitored in L.A. still operating in January noted that they think the FCC enforcement action is unwarranted and unfair. Many indicated that they will not leave the airwaves because they feel Freeband is as viable a form of hobby radio as is Amateur Radio. Several suggested that the time has come for an organized move up into the Amateur 10 meter band while others feel that there would be more "security" be operating in the more crowded 20 or 40 meter bands.

It seems to be the beginning of a well-funded government campaign to shut down all forms of illegal radio operations, once and for all. And its about time!!

DID PACKET SHOOT ITSELF IN THE FOOT??

(Westlink) At least eight packet BBS owners on the East coast received Notices of Violations from the FCC for permitting the passing of what the FCC calls "business traffic." The traffic was from an anti-war organization called THE COALITION TO STOP U.S. INTERVENTION IN THE MIDDLE EAST. Each of the originating and terminating BBS operators received $300 Notices of Apparent Liability as did the originating station.

The involved FCC EIC said..."This activity was a facilitation of the business affairs of the Coalition to Stop U.S. Intervention in the Middle East and therefore is in violation of Section 97.113 (a).

AMSAT Vice President Tom Clark, W3IWI said that the action of the FCC bodes danger for the future of amateur radio data communications....further stating..."The implications of the action by the FCC's Norfolk Field Office are absolutely appalling. What is implied is that each station in a store and forward network is responsible for the actual CONTENT passing through each node..."

The implication of the FCC action is that a node control operator must read all information and be prepared to shut the system down at the first hint of an inappropriate message, this would be quite a chore at 1200 bps and impossible at 56 kbps.

This action is not sitting well with the packet radio community from all indications it appears they are readying to do battle with the FCC over the issue of immunity from prosecution of PBBS operators for forwarding the postings of other hams. This would be like making the Boeing club liable, should one of the users of the Evergreen Intertie in East Armpit Montana direct a commercial comment to a Ham in Seattle. Indeed this action should be followed very closely by every amateur for the implications are monsterous.

BE CAREFUL OF THAT COMMERCIAL TOWER

Last year the FCC, in a two day inspection blitz, found that out of some 1,031 towers inspected some 160 of them were in apparent violation of lighting and safety rules.

The Commission's rules are simple. Here is an example. If the Commission visits your repeater system and while doing the inspection finds that the tower is not painted correctly (faded paint etc.) or the tower lights are not functioning correctly (and the FAA not notified and the fact of such notification logged) the FCC can fine YOU up to $2,000....EVEN THOUGH YOU DON'T OWN THE TOWER!!!.....The rules state that EACH LICENSEE using tower space is SEPARATELY responsible for lighting and painting, according to Richard Smith, Chief of the FCC's Field Operations Bureau.

What to do?? If you have your repeater on any tower that is required to be lit (Red lights at night) and/or marked (Orange and White bands and/or strobes during the day). It is certainly in your best interest to see to it that the owner of said structure is operating in agreement with applicable FAA regulations (the FAA writes the regulations and the FCC, as part of their normal inspections, does the enforcement). Ask the tower owner to give you a copy of the FAA authorization for the tower. (If he refuses you are risking a bundle) You can contact the Air Space Management Division of the FAA office in Renton with the coordinates of the site and they can look into this for you, additionally you can request from them a copy of the regulations effecting the marking and lighting of towers of all kinds....but remember, even if the rule book states that a tower of certain height must be marked and lit in a certain way the FAA reserves the right to wave or reduce these requirements or they can make the requirements much more strict.

APPLE PETITIONS FOR WIRELESS LAN

The W5YI Report

Apple Computer, Inc. has filed RM-7618, a Petition for Rulemaking to Create a new Data Personal Communication Service (Data-PCS). The service would operate within the 1850-1890 MHz (1.85-1.89 GHz) band now used by some point to point microwave operations. Amateur spectrum would not be used by Data-PCS. It would be completely non-licensed, 1W maximum power, and is especially aimed at laptop computers communications.

"If Apple's petition is approved, personal computer users in the future will be able to communicate with other users and with computer peripherals within a building or a campus over radio waves," the company said. "This innovation would eliminate the need, in many cases, for local communication to travel on wired networks."

Other wireless local area network products do exist. Most of them are aimed at fixed, not portable, operation in business environments. They operate under Part 15 rules in the 902-928 MHz spectrum that is shared between government operations, Automatic Vehicle Monitoring (AVM), Amateur Radio, and Industrial - Scientific Medical (ISM) device that use RF, such as gluing machines.

Apple said that this 902-928 Mhz band and the other ISM bands at 2.4 and 5.7 Ghz aren't good for data personal communications.

DATA BASE AVAILABLE

The WWARA Board, reacting to several requests for copies of the Associations Data Base is making the multiple page document available to anyone requesting same for the price of $5. This cost will be used to offset the cost of duplication and the return postage. Information in the Data Base is the same as that supplied to the ARRL, other regional coordination organizations and the FCC, listing all coordinated frequencies from 10 meters through 1200 Mhz and is updated often. Mail your requests to the WWARA address, please don't send cash, make all checks payable to the WWARA.

Western Washington Amateur Relay Association

Enclosed please find $_____ for _____ Yrs
Membership in the WWARA @ $12.00 /yr.
Name _____ Call _____
Address _____
City _____ St ___ Zip _____
Phone _____ Alt Phone _____

Mail to: WWARA 14241 N.E. Woodinville Duvall Rd
Suite 254 Woodinville, WA 98072

DENTY MOORE PASSES ON

Denty Moore, WB7PKM, 55, passed away in Tacoma on February 20th. Denty served on the WWARA Board some years ago. Denty was involved with the Radio Club of Tacoma and the Rebels, a HF organization.

SEAPAC DATE SET

May 31, June 1st and 2nd have been set as the dates for this year's Northwest Division Ham convention in Seaside Oregon. The event will feature some 30+ seminars, dealer exhibits, a flea market, VE testing and a repeater owners forum. Featured banquet speaker will be Gordon West. For registration information call 503-795-2105. For motel reservations call 1-800-738-6391.

NEW EQUIPMENT

Here is a roundup of new VHF/UHF FM equipment offerings from the pages of the last couple months WESTLINK REPORT....STANDARD is back in the Ham radio biz with a new dual band transceiver. OPTOELECTRONICS has a circuit board you can plug into your computer turning it into a frequency counter.

Classifieds

INVITATION FOR SWAP-SHOP ITEMS

(K7CR) If you are a paid up member of the WWARA and you would like to use the Coordinator to advertise something for sale or your desire to purchase an item....drop a note to the Editor or FAX your request to me at 623-7677. Amateur Radio items only please!

WANTED 50 foot or thereabouts self supporting tower capable of handling HF and VHF antennas etc. Call Clay, K7CR, 939-1414.

Board Meeting Minutes
February 7, 1991

The 2/7/91 board meeting was held at Izzy's Pizza restaurant at Totem Lake.

The Meeting was called to order by chairman W7FHZ at 7:07 pm. Introductions were made and a sign in sheet was passed around. Those present were:

Jon Marcinko W7FHZ Mark McKibbin WR7V Herman Entz K7PAG Steven Mayes KA7PMC Dave Smith N7LOU Steve Kometz KC7RO Steven Zielke N7JLF Peter Dahl WA7FUS Steve Stroh N8GNJ Denny Lim WA7TQS Bill Rourke W7ERH Bill Balzarini KL7BB Ray Leslie WA7EKH Arnold Larson W7JWP Gene Jacobson WA7TAI Jack Burrell KB7ZS Glen REad KB7GZ Gib Gibson W7JIE Clay Freinwald K7CR Ken Koster N7IPB Claud Anderson AB7G Bill Davis KC7UW Nancy McKibbin KB7BJE

New Items

Brochures for the SEAPAC ARRL Convention on May 31-June 2 were passed around. K7CR announced some news items along with a reminder of the Salem Hamfair on 2-16-91. The ORRC will be having their meetings at Salem. General membership 1:00 pm operations committee at 4:30 pm.

The Sec/Treas. minutes were approved as written. The following treasurers report was read and approved:

Previous Balance	$674.64
Dec & Jan Postage	<60.30>
Nov & Dec Coordin	<111.06>
Coffee Dec	<13.00>
Mail Box 1 yr	<114.00>
Nov & Dec Bank Chg	<9.65>
Sec of State	<5.00>
WWARA Stamp & Env.	<26.92>
Dues Received	540.00
New Balance	874.71

Bills were submitted by K7CR for phone and postage expenses and the Westlink Newsletter. The Secretary reported on correspondence that had come in and gone out. The Secretary will be looking into purchasing some stationary for the organization.

Data Base

The WWARA frequency data base is complete and has been sent to the ARRL. A discussion was held about charging a fee for data base copies since it is quite lengthy. It was moved and approved that the data base would be provided in hard copy only for $5.00 per copy.

A discussion was held regarding dues paying members and charging a coordination fee to offset the expenses associated with the coordination effort. No resolutions were reached at this time, however, the news letter should have some articles debating the issue.

Adjacent Areas

PRARFCA - Bob Smits has someone wanting to cochannel on 146.70. The matter was referred to WA7NAN.

ORRC - John Mackey contacted Jon and Clay for information on WA7HSJ. Clay faxed him copies of letters to Wes Allen from Fred Allman.

IACC - W7FHZ has left a message for Doug Rider trying to set up a get together. K7PP talked to Doug regarding WA7HSJ. Fred responded to a letter from Doug saying that in his recent visits to Seattle he heard no interference on 147.20. K7PP reported that his tests on Gold Mountain over rides the interference caused by the WA7HSJ repeater. Pete filed a green sheet to make his move to Green permanent therefore eliminating the interference. Doug Rider reports a repeater on 145.27 in support of the Sheriffs Dept Search and Rescue.

FCC - Gib W7JIE asked for a definition of his function. It was decided that Gib would advice the WWARA on FCC rules and regulations and provide support on interference issues. Gib will hand carry a copy of our data base to the FCC. He also reported that the local FCC office is moving from Bellevue to Totem Lake due to the AM interference they are now experiencing.

10 Meters - Clay reported that WA7UMH is now considered a tweener on 10 meters and is not coordinated. Clay will be writing him a letter stating the he is no longer coordinated and is on his own.

6 Meters - WWARA Received an updated green sheet on 53.21 which had moved from its originally coordinated location. It is currently off the air as a result of KOMO. Clay will review the new green sheet and recommend a source of action to the Board.

2 Meters - Herman Entz was appointed to chair this committee. A letter of request was received from John Hokenson. A letter is to be sent to him stating that all frequencies are in use and unless he can come up with an acceptable cochannel arrangement he must use a SNP frequency. Herman will work with Steve Stroh who has applied for a pair on 147.10. Jon W7FHZ reported that Rick Hyde 147.12 is having an interference problem with Scott Bogue's 442.450 remote base. Jon believes there is a cross band repeater on the air by a third party that tied them together. K7PP's request to move permanently to Gold Mountain was approved by the board.

220 - The Board consensus is to have a moratorium on further coordination of new frequencies beyond this board meeting until the full impact of the loss of 220 to 222 can be assessed. Canada will still continue to coordinate 220 repeaters and frequencies in the lower section of the band. SNP's will be recommended to all new requestees in the interim. It is anticipated that the following current coordinated frequencies may be affected: 221.500, 222.28 - 222.40. 2 new repeaters were coordinated at this meeting: 224.04 Queen Anne Hill and 224.38 on Graham Hill.

440 - The following 440 coordinations were approved by the board: 442.650 Gold Mountain, 441.500, 441.600, 441.650 Links, 442.250 Green Mountain, 443.975 Redmond, 444.350 Bush Mountain, 441.800 Seattle, 440.300 Cougar Mountain. Jon reported that there is still 5 or 6 requests pending his investigation.

900/1200 - The Board approved a new 1292.100 repeater in Oak Harbor. Mark WR7V reported there are now 8 repeaters in the NW Coordinated on 1.2 GHz.

Technical Committee - Bob St Andre was appointed as the new chairman.

Membership - Herman reported as of 2/7 there are 62 paid up members for 1991.

OLD Business

K7PP was forced to move 147.20 due to the lack of response or resolution from WA7HSJ. The Board indicated that this type of solution will not be the fix for future problems.

NEW Business

The next general business meeting of the WWARA was set for April 6, 1991 at 10:00 am at the Riverside Inn in Tukwilla.

6 Meters - There was a discussion led by Clay, K7CR regarding the recent denial by the ARRL to accept a motion to study and debate a band plan for 6 meters. It was decided that the WWARA would support activities to bring about a national debate. A motion was passed to support a committee with the WWARA endorsement and up to $300.00 of WWARA funds to bring about such debate. K7PP pledged an additional $100.00 to support the efforts.

Being no further business the meeting was adjourned at 9:50 pm.

!!! Meeting Notice !!!

WWARA GENERAL BUSINESS MEETING

RIVERSIDE INN RESTAURANT
14060 INTERURBAN AVE.
SOUTH TUKWILA, WA.

SATURDAY, APRIL 6, 1991
10:00 AM

DIRECTIONS - The Riverside Inn is located on Interurban Ave. Between I-5 and I-405 just North of South-Center. If you get lost, call the Riverside at 244-5400

The Treasurer will be available at 9:30 AM for payment of dues, the meeting will begin, promptly at 10:00 AM.

Per previous meetings, the WWARA will pick up the tab for the coffee ONLY!! You are welcome to come early and eat breakfast, or eat during the meeting. All Board Members, Committee Chairmen and those parties having an interest in matters to be discussed should be in attendance. The meeting is open to anyone interested in the business of the Association. Agenda items are, but not limited to the following:

- Review of WA7HSJ issues.
- Report on WWARA/NAPRA talks.
- Report on 220 band plan progress
- Report from 6 meter band plan committee
- Other news from the floor or items too late to make this notice.
- Selection of location for the next Board Meeting.

STEVE STROH Exp 1991
14919 NE 163RD STREET
WOODINVILLE, WA 98072

Western Washington Amateur Relay Association
14241 N.E. Woodinville Duvall Road Ste 254
Woodinville, Washington 98072

THE WESTERN WASHINGTON AMATEUR RELAY ASSOCIATION
SERVING REPEATER OWNERS AND USERS SINCE 1976

BOARD OF DIRECTORS, 1991

POSITION	NAME	CALL	PHONE
Chairman	Jon Marcinko	W7FHZ	839-7688
Vice Chairman	Herman Entz	K7PAG	857-5946
Secretary/Treas.	Nancy McKibbin	KB7BJE	483-6999
Representative #1	Clay Freinwald	K7CR	939-1414
Representative #2	Bob St Andre	WA7NAN	746-6217
Representative #3	Steve Mayes	KA7PMC	232-1901
Representative #4	Mark McKibbin	WR7V	483-6999

STANDING COMMITTEES:

Technical	Bob St Andre	WA7NAN	746-6217
Membership	Herman Entz	K7PAG	857-5946
FCC Liaison	Gib Gibson	W7JIE	226-4222
Coordinator Editor	Clay Freinwald	K7CR	939-1414
Data Base Mgr	Mark McKibbin	WR7V	483-6999
10 & 6 Meters	Clay Freinwald	K7CR	939-1414
2 Meters	Herman Entz	K7PAG	857-5946
220 MHz	Peter Dahl	WA7FUS	778-3581
440 MHz	Jon Marcinko	W7FHZ	839-7688
900/1200	Mark McKibbin	WR7V	483-6999
Packet Systems	To be assigned		

Please feel free to contact your WWARA officials at any time for additional information about the Association. The COORDINATOR is published 6 times a year and mailed to all parties having a WWARA coordinated system as well as those whom are paid USER members. Dues are $12 per calendar year. The Coordinator is published BIMONTHLY. Address all formal correspondence and requests for coordination to:

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